

ABSTRACT OF DISCLOSURE

When an refresh ink droplet ejected from a nozzle and deflected by an inclined electric field impinges on a orifice electrode/ink receiving member, electric charge is
5 discharged from the refresh ink droplet, thereby an electric current is generated. A current-voltage converter/amplifier detects the electric current and outputs a detection signal. A defective-condition determining circuit determines an ejection condition of a nozzle element based on voltage
10 value of the detection signal.